

WARNING/CAUTION



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk to persons.



The exclamation point, within an equilateral triangle, is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

FCC

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTICE

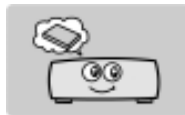
Please be aware that new software may change the functionality of the STB.

The photo and the function explanation involved in this specification is for reference only. If there is any mistake, please refer to the entity.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

SAFETY INSTRUCTIONS

Please read these safety instructions through carefully, before operating the receiver. Please observe all warnings and instructions on the equipment and contained in these operating instructions.



Be sure to read this user's manual before starting your operation.



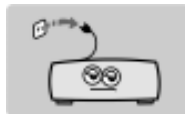
Install the unit horizontally. Unbalanced installation may cause the unit to be damaged by itself.



Never open the cover. Don't touch the inside of the unit, otherwise it may cause possible electric shock.



Do not put heavy objects on the unit.



If the receiver is not in use for long periods, always unplug the receiver from its power source. Don't use damaged power cord.



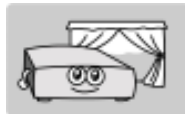
When the location of the unit will move from heat area to cold area, turn off the power for at least 1-2 hrs before you restart the receiver.



Do not touch the power with wet hand. Take off the power cord from the outlet if there's liquid flowing into the unit, otherwise, it may cause fire or electric shock.



Install the unit in a place with:
good ventilation
suitable temperature
no direct sunrays
low humidity
low vibration influence



Place the unit in a well ventilated and no heat environment.

Table of Contents

SAFETY INSTRUCTIONS	2	2.2 Aspect Ratio	14
		2.3 Language	15
GENERAL INFORMATION	4	2.4 Audio Language	15
1. Main Features	4	2.5 Caption Select	15
2. Unpacking	4	2.6 DCC Setup	16
		2.7 Sleep Mode	16
OVERVIEW OF THE EQUIPMENT	5	3. LOCK	17
1. Front Panel	5	3.1 Lock System	17
2. Rear Panel	6	3.2 Set Password	17
3. Remote Control Unit	7	3.3 Block Channel	18
4. Installation of STB	8	3.4 TV Rating-Children	18
4.1 Connect RCA Support with TV	8	3.5 TV Rating-General	19
4.2 Connect RF Support with TV	8	3.6 Movie Rating	20
		3.7 Downloadable RRT	20
FIRST STEPS	9	TECHNICAL SPECIFICATION	21
MENU INFORMATION	9	TROUBLE SHOOTING	21
ON SCREEN MENUS SELECTION	10		
1. Main Menu	10		
2. Channel	11		
1.1 Channel Scan	11		
1.2 Channel Add	12		
1.3 Channel Edit	12		
1.4 Manual Scan	13		
1.5 Output Channel	13		
2. OPTION	14		
2.1 Clock	14		

GENERAL INFORMATION

Incorporating the highly integrated single chip, the receiver is a cost-effective and high performance digital ATSC converter box. The receiver provides FTA (Free-To-Air) channels with user-friendly OSD (On Screen Display)

1. Main Features

- ❖ Fully ATSC / MPEG -2 HD compliant
- ❖ Receives HD ATSC Terrestrial broadcast Channels 2-69
- ❖ Decodes all 18 ATSC DTV standard formats
- ❖ 256 colors on screen display (OSD) supported
- ❖ 7 days Electronic Program Guide (EPG)
- ❖ Teletext output through VBI and OSD

- ❖ Multi-language OSD (English, French, Spanish)
- ❖ Multi-language audio supported
- ❖ Multi-language Subtitle output supported
- ❖ EIA 608 Closed Caption
- ❖ Parent control (V-chip)

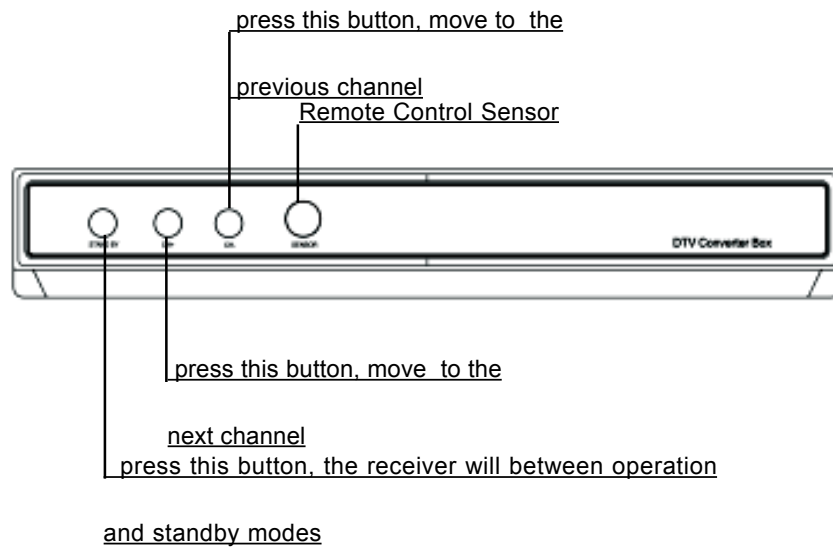
2. Unpacking

Unpack the receiver and check to make sure that all of the following items are included in the packaging.

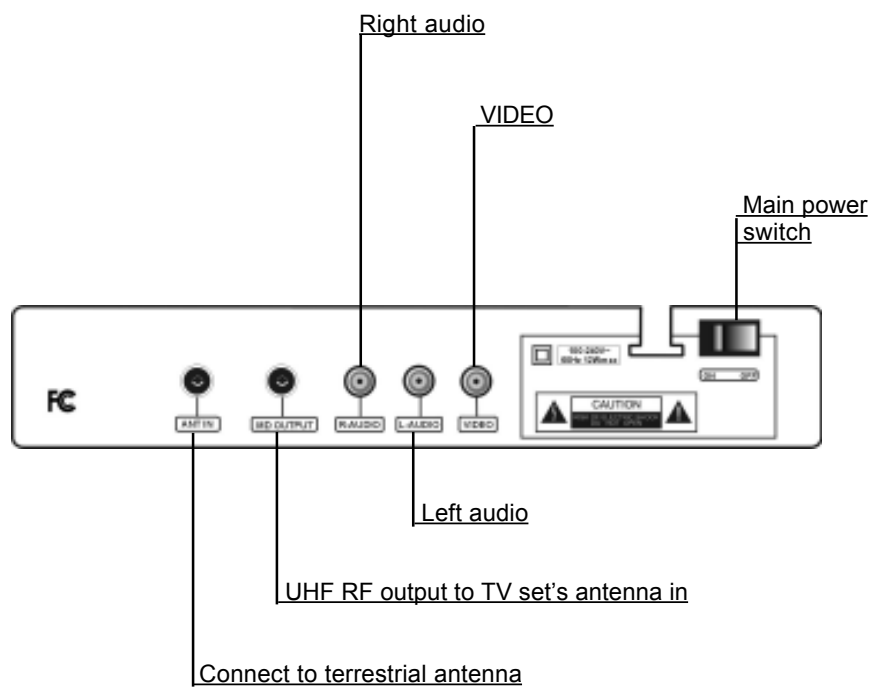
- ❖ 1 x Remote Control Unit
- ❖ 1 x User's Manual
- ❖ 1 x Digital Terrestrial Receiver

OVERVIEW OF THE EQUIPMENT

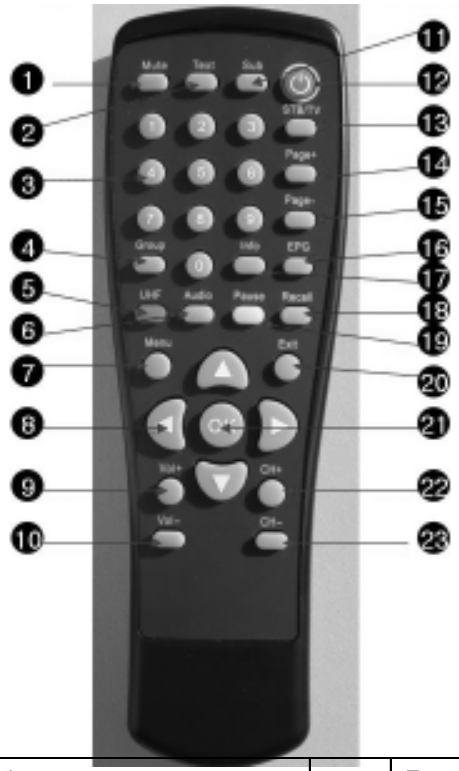
1. Front Panel



2. Rear Panel



3. Remote Control Unit

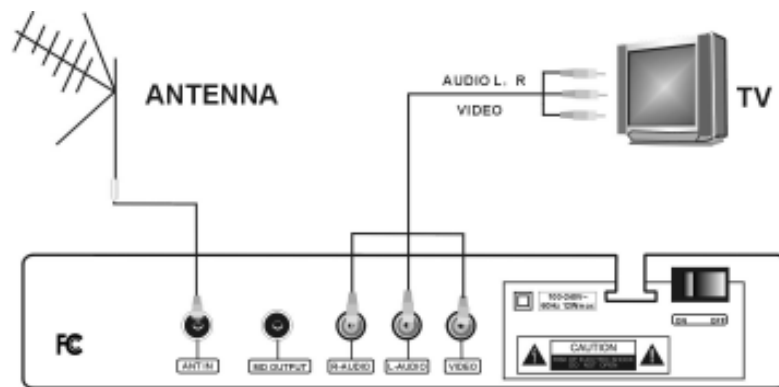


	Function		Function
1	MUTE	13	Signal Strength
2	CC	14	Page+
3	Numeric Key	15	Page-
4	Reserved for future use	16	GUIDE
5	Sleep Mode	17	INFO
6	AUDIO	18	Flash Back
7	MENU	19	RATIO
8	ARROW	20	EXIT
9	VOL+	21	OK
10	VOL-	22	CH+/Page+
11	DASH(-)	23	CH-/Page-
12	STANDBY		

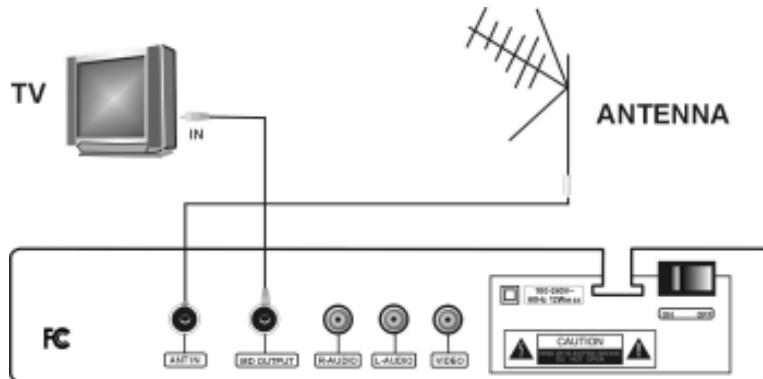
4. Installation of STB

This section explains the installation of the STB. If you need any assistance for specific equipment connection, please contact your local dealer.

4.1 Connect the RCA Support to TV



4.2 Connect the RF Support to TV



FIRST STEPS

Connect the receiver to power source by inserting the receiver's plug in the power socket, and turn on the main power switch on the rear panel.

The receiver starts up in Standby mode, and the current time will be shown on the display.

Connect the auxiliary devices with power sources, and turn them on.

Select the AV channel on the TV set.

The receiver is equipped with pre-programmed TV channels and can be used immediately. To see if there are any new channels, then activate the channel search.

CAUTION!

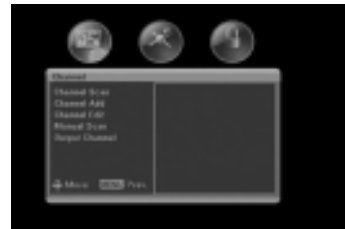
Before connecting the receiver to power source, check to make sure all of the devices (including antenna) are well connected.

MENU INFORMATION

The user interface has various ways to navigate through the menu and functions. Some of the keys on the remote control unit provide direct access to functions, such as EPG, MENU, OK key and colored keys. Other keys are multi-functional, since their functions will change according to the different mode you are in.

Unless otherwise specified; this note explains the way you can operate the pages of the user menu.

1. Press the ◀▶ keys to move the cursor left or right, from one line to another line.
2. Press the ▲▼ keys to move the cursor up or down in the sub-menu.
3. Press the OK key to enter the sub-menu.
4. Press the EXIT key to escape from the current menu, and return to view mode.
5. In a sub-menu:
 - Press OK key to confirm your selection;
 - The green or white bar indicates the active selection



2. Channel

1.1 Channel Scan

From here, press OK key to scan the channels.

During the searching process, OK key is used to cancel the whole process.



CHANNEL



Channel Scan 1



Channel Scan 2



Channel Scan 3



Channel scan 1:

Auto-searching can search through all of the existed channels.

Channel scan 2:

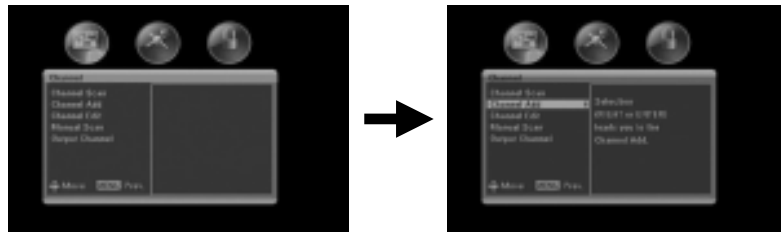
The gauge shows the speed of auto-searching process.

Channel scan 3:

Finish the channel searching by showing a dialog box.

1.2 Channel Addition

key or OK key to lead you to the channel add.



Channel addition:

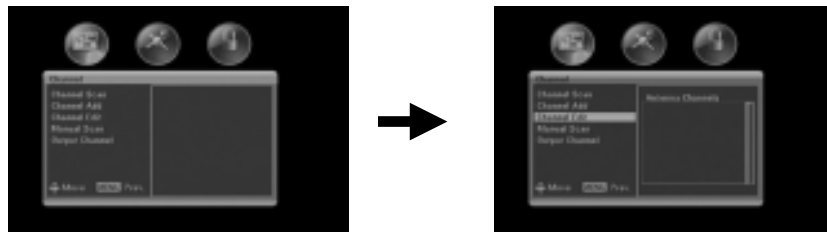
Channel addition has the same function as auto-searching in increasing the channels.

New channels will be reserved after addition.



1.3 Channel Edit

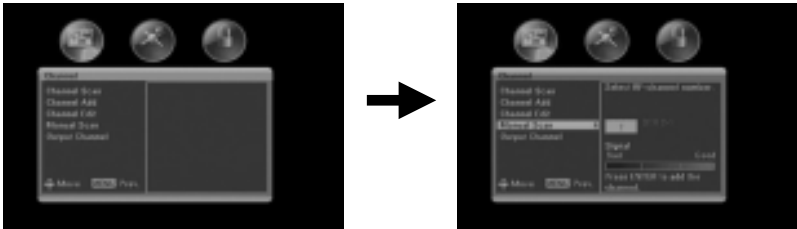
Press OK to delete or add the selected channel.



Channel edit is used to edit the selected channels, also can rename these channels.

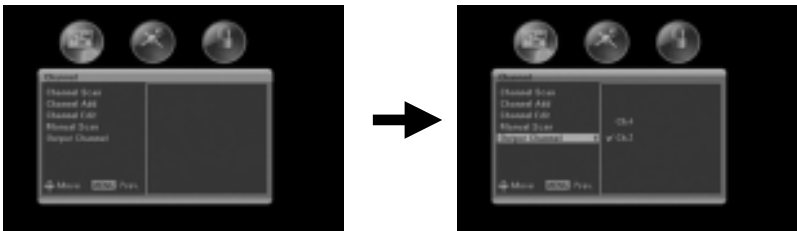
1.4 Manual Scan

In this mode, only one RF channel can be searched. You can use the function to scan the desired channels. Press keys to select the RF-channel number.



Manual scan, users can add channels according to the related frequency index.

1.5 Output Channel

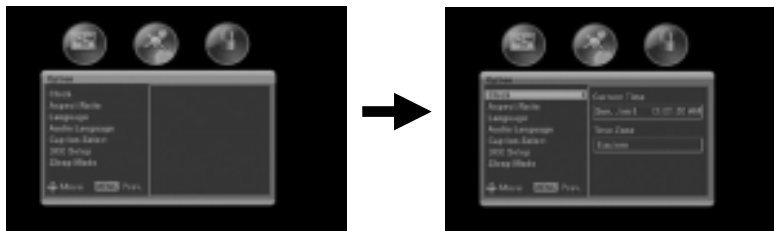


2. OPTION

2.1 Clock

Current Time: Displays the current time.

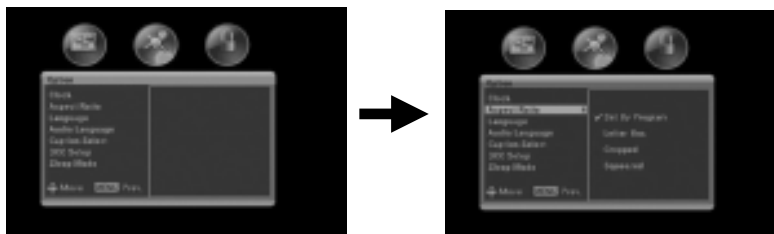
Time Zone: Select proper option according to the time zone you have been.



Setup to select user's local time zone.

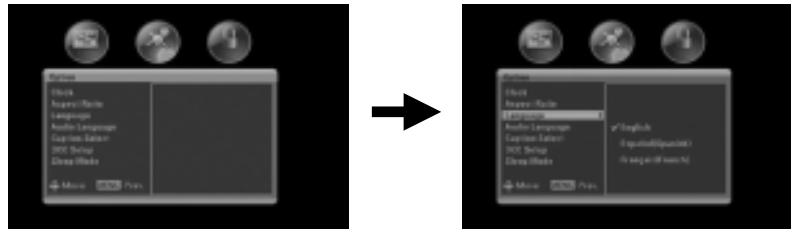
2.2 Aspect Ratio

This option allows you to select the aspect ratio of the video output.



Setup the proportion of the display (Main screen).

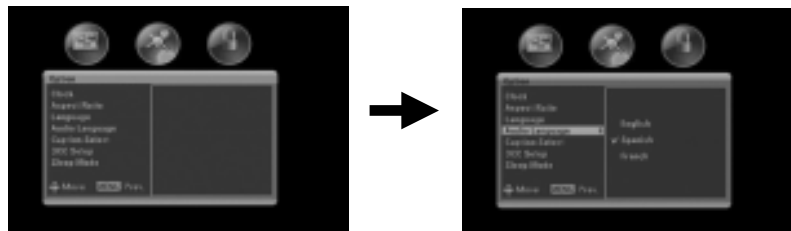
2.3 Language



Select the desired language for main menu.
Options available: English, Spanish, French.

2.4 Audio Language

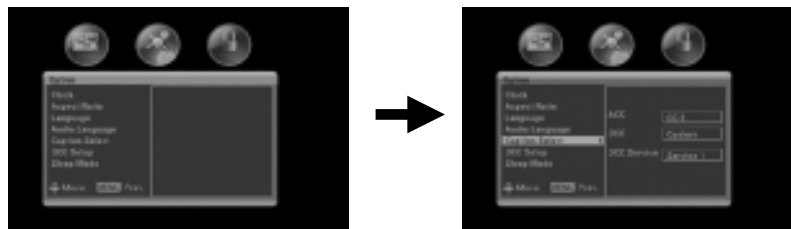
This option allows you to select your first and second choice of the audio language.



Select the language of audio frequency if multi-language options are available.

2.5 Caption Select

Select the desired option for caption.

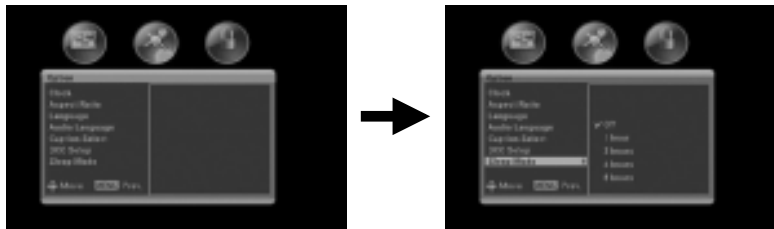


Set up the caption of the programs.

2.6 DCC Setup

2.7 Sleep Mode

Sets the time after which the receiver switches itself off.

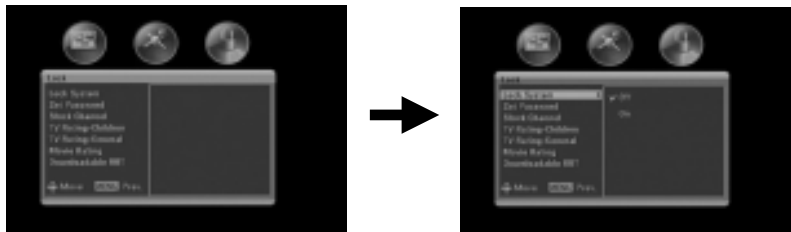


Select the time interval, and set up auto-turnoff when no operation being taken for a long periods.

3. LOCK

3.1 Lock System

Select On or Off. If On is selected, a password is needed before you entering the menu.

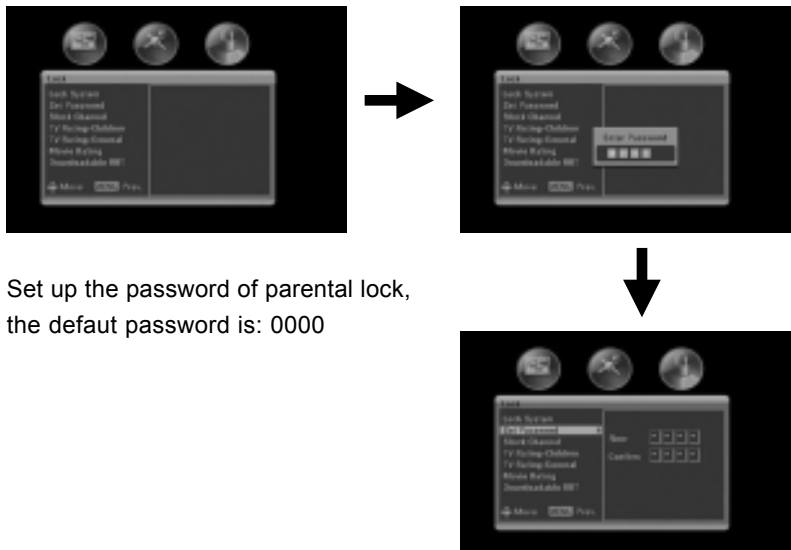


Parental lock, used to open/close the menu.

3.2 Set Password

Enter a new password at the "New" item.

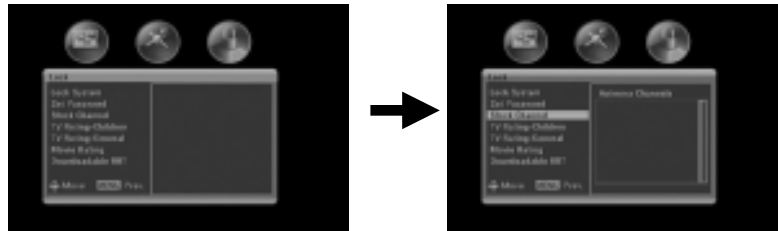
Enter the new password again to confirm.



Set up the password of parental lock, the default password is: 0000

3.3 Block Channel

Select the channels which you tend to lock, then press OK to confirm.



3.4 TV Rating-Children

This function can help to prevent children from watching illegal channels.

Age: TV-Y, TV-Y7 and Blocking Off.

Fantasy Violence: Select TV-Y7 or Blocking Off.

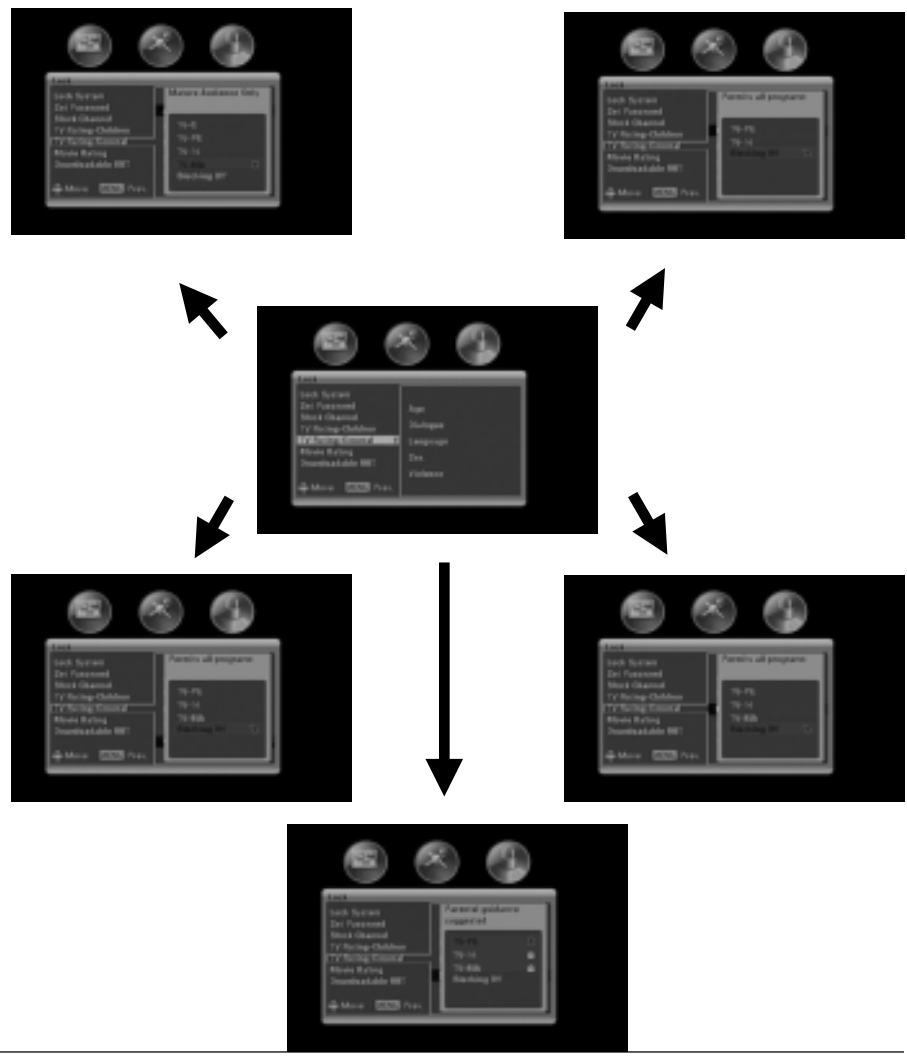


Fantasy Violence

Age

3.5 TV Rating-General

Age: TV-G, TV-PG, TV-14, TV-MA and Blocking Off.
Dialogue: TV-PG, TV-14, TV-MA and Blocking Off.
Language: TV-PG, TV-14, TV-MA and Blocking Off.
Sex: TV-PG, TV-14, TV-MA and Blocking Off.
Violence: TV-PG, TV-14, TV-MA and Blocking Off.



USER'S MANUAL

3.6 Movie Rating

G:General audiences.

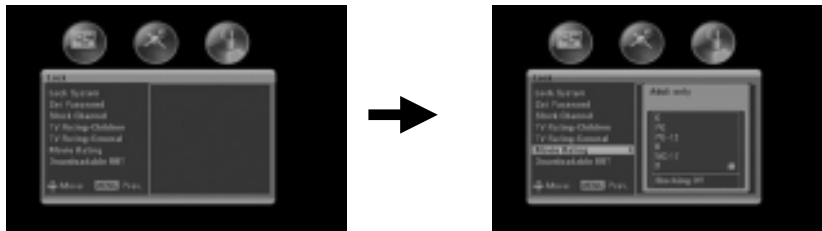
PG: Parental guidance suggested.

PG-13: Parents strongly cautioned.

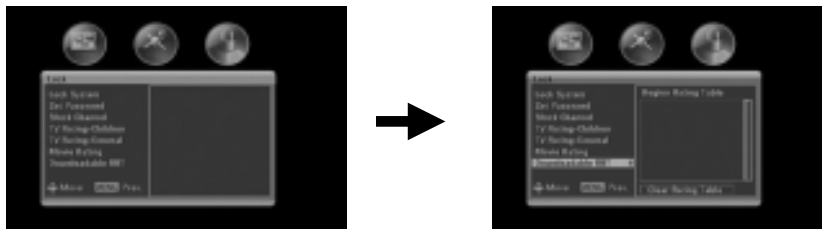
R: Restricted.

NC-17: No one 17 and under admitted.

x:Adult only



3.7 Downloadable RRT(Region Rating Table)




TECHNICAL SPECIFICATION

TUNER	ATSC
Input frequency	54 ~ 864MHz
Bandwidth	6M
Input level	-84 ~ 0dBm
Input impedance	75Ω
Signal Input:	IEC Female(RF IN),IEC Male(RF OUT)

TROUBLE SHOOTING

Note : If you cannot solve the problem by referring to the above trouble shooting, please contact your re-seller.

Problem	Possible Causes	What To Do
The display on the front panel does not light up.	Main cable is not connected.	Check that the main cable is plugged into power socket.
No sound and picture, but the front panel shows time.	The unit is in standby mode.	Press the  key on the RCU.
No sound or picture.	Poor signal quality or bad interconnections	Check the antenna system Check cable connections.
Bad picture/ Blocking error.	Signal is too strong.	Try a signal attenuator to the RF IN port.
There is interference on your digital terrestrial channel.	The system is connected using RF leads and the output channel of the receiver interferes with an existing terrestrial channel or Video signal.	Change the receiver output channel to a more suitable channel.
The RCU is not working.	Battery exhausted.	Change the battery.